Vol. 23 No. 15

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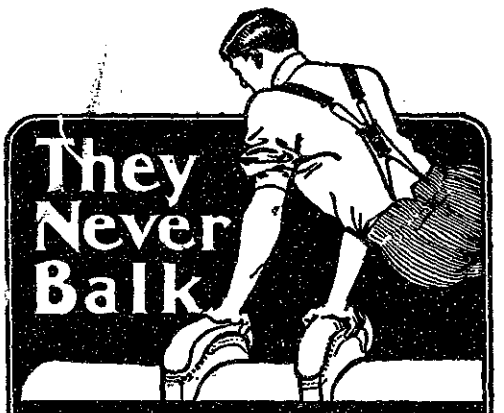

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THE TECH

VOL. XXIII. BOSTON, FEBRUARY 11, 1904. NO. 15.

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

LEONARD T. BUSHNELL, 1905, *Editor-in-Chief.*
CHARLES T. BARTLETT, 1906, *Managing Editor.*
H. EVERETT DARLING, 1906, *Secretary.*
C. H. GRAESSER, 1905.
W. GREEN, 1905.
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A. MERRILL, 1905.
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MIGUEL AHUMADA, Jr., 1906, *Business Manager.*
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D. G. ROBBINS, 1907, *Assistant Business Manager.*

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Editor-in-Chief . . . . . Daily, 8.30-9 A.M.
Business Manager . . . . . Monday, 12-1 P.M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

All communications regarding subscriptions should be addressed to the Business Manager.

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AT the beginning of the second term we all look back with vain regrets at the lost opportunities of the first term. This is all very well if we profit by our mistakes, but there is great danger of our simply repeating them in some other form. We come to Technology to work, and that should be our first consideration, but after all there are many valuable things to be acquired outside the classroom and the laboratory.

At the Institute we are not so absorbed in athletics as are the colleges, but we have a track team which would be a credit to a professedly athletic college. To equal last year's fine record it is necessary to give Captain Curtis and Mr. Mahan a large number of men to choose from. The value of training under such an able coach cannot be overestimated; the work is interesting and the value in building up a sound physique must not be overlooked. We must win another banner to hang in our union, and this can be accomplished, not by a few stars, but by the development of many steady, consistent performers.

Another equally important side of Tech life is the Annual Show. A call has already been issued for all departments of this year's Show. Each succeeding Show has been a slight improvement upon the preceding, and we confidently expect that this year our Show will eclipse the "Scientific King." Here is a great opportunity to come in contact with men of all classes and departments. Everybody not trying for the Track Team ought to be working for the Show.

It is a convenient excuse to say "we are too busy," but it is an axiom that the men who have most to do are the men who do the most.

WE publish in this issue a communication from Major Briggs, written at our request, to define the position of the Advisory Council upon the subject of interclass baseball. We cannot agree with the Advisory Council in this matter, nor, as we believe, do the majority of Tech men. As we understand the communication, three reasons are given for refusing to grant numerals.

The Advisory Council having refused to sanction interclass baseball cannot allow

numerals to the winning team. Every one will concede this as proper so we will pass to the reasons why we should not have interclass baseball.

It is advanced by Major Briggs that for various reasons good teams cannot be developed. This would be a formidable objection if it were proposed to form an Institute team, but every game played early in the season by the Sophomore or the Freshman team is but practice for the final series for the Interclass Championship. This argument would deprive us of Field Day if carried to its logical conclusion. It is far better not to put any team in the field to represent M. I. T., than to have a second-rate team, but in the interclass contests both teams have equal advantages.

In conclusion, the claim is made that interclass baseball competes with the Track Team. If we felt that this were the case we would strongly oppose interclass baseball, but we do not consider that the Track Team suffers in the slightest. The experience of other colleges shows that the men who are good in track athletics will take up track athletics, and that some men will play baseball or get no exercise at all. We certainly must have a winning Track Team, but Heaven forbid that we should resort to the tactics of the press gang to secure one.

It does not seem as if any one who followed the 1906-1905 series of last spring, and saw the 1906 team in a splendid rally snatch victory from the jaws of defeat, can doubt the advisability of interclass baseball. We would like to have this matter thoroughly discussed, and gladly print any signed communication on the subject.

NO POLITICS NEEDED.

IT would seem at first glance that politics had entered into the plans for the formation of the *Technique* Electoral Committee of 1906. Some leading spirits of the class decided that it would be well to depart from the old custom of placing all members of the class in nomination. They planned to require nomination papers signed by ten members and advanced as their plea that under the new system forty or forty-five votes would not suffice to elect a man to such a responsible office. What strength is there in that argument? Is it not better to place a man on the Committee by a small vote when that vote expresses the confidence of the class in him above some two hundred others, than to elect him because some better man was not nominated? Under the old system a voter had his choice of every man in his class, he could judge for himself who were the twenty-five best fitted for the position and might vote accordingly. The quiet conservative element — and the opinion of that element is extremely valuable — has full opportunity to cast its votes to good advantage, and many a man who would not think of having himself thrust forward by friends as a candidate, finds himself elected by a heavy vote. Last year this occurred in at least five cases, and of those five men, three took leading and influential parts in the deliberations of the committee. With the changes adopted by 1906, at the suggestion of some of the members, the most steady, reliable men, will not seek, and therefore may not receive nominations, and the way will be open for a clique to fill the ballot with men known to be favorable to that ring. These puppets will have a far better chance of election than when on a more comprehensive ballot and the clique may be able to say, when the polls close, "We will run *Technique 1906*."

We sincerely hope that no such plans entered the mind of the originator of the new method. If they did, he is a politician, pure and simple and it will be a lasting disgrace to the class to have it known that the will of a few men controlled the book. *Technique* is too important to the undergraduates as a whole to permit the expression of petty jealousy or personal ambition in the choice of the men who are to choose and, in part, to form the future Board of Editors. The honor of election to *Technique* lies, not in

the election itself, but in the free expression of the opinion of the class without any log-rolling or Tammany tactics. There is little enough honor in *Technique* now, what will be the inducement to men to work hard and publish the book, if that honor is to be dragged down and smudged by a politician's fingers? For the honor of 1906 we hope that our suspicions are unfounded to the last detail. Time will show.

Basket Ball.

Tech won its fourth game of the season at Durham, N. H., Saturday, Jan. 16, from the New Hampshire Agricultural College by the score of 29 — 16. The New Hampshire team played a fast and snappy game, but by good covering and accurate goal shooting, Tech was able to score in the first half 20 points, to their opponents' 10. Early in the first half Captain Blake was pushed against the wall, and sustained a wound in his head which required several stitches to close. In the second half Tech played with only four men, but in spite of this handicap, were able to score 9 points to New Hampshire's 6. The work of Tech's guards is to be especially commended, Wiggins, who took ex-Captain Schonthal's place scoring 15 points, and Ager doing exceptionally good covering.

TECH.	N. H. COLLEGE.
Blake, l. f.	r. g., Plummer
Mathison, r. f.	l. g., Flint
Burleigh, c.	c., Hardy
Wiggins, r. g.	l. f., Johnson
Ager, l. g.	r. f., Fuller

Score, Tech 29; N. H. College, 16.

Goals made by Wiggins, 7; Mathison, 3; Ager, 2; Burleigh, Fuller, 2; Johnson, 2; Plummer, Flint. Goals from fouls: Blake, 2; Wiggins, Johnson, 3; Hardy. Referee, Goldthwait, M. I. T. Umpire, Parkinson, New Hampshire College. Time, twenty minute halves.

Communications.

The Editors do not hold themselves responsible for opinions expressed by Correspondents.

BASEBALL NUMERALS.

The Advisory Council have not been in favor of baseball being played at the Institute, either by a 'Stute team or by classes, and have voted to this effect three different years. Now having taken this stand, it of course follows that they cannot favor giving numerals to members of the team in any class which may win.

The feeling of the Advisory Council is based on the fact that in this section of the country it is almost impossible to get proper outdoor practice during the months of April and early May to develop a team which will play even fairly good baseball. Now of course after the middle of May very little can be done, as the examinations are on, and in the Freshman and Sophomore classes particularly, the final examinations in each year are very important.

Further than this, as it has become a principle that the track team is the one to which all other athletics at the Institute should be subservient, it is a fact that every year at least one, and sometimes more men, have played baseball who would have very likely made the track team if they had tried for it. Such men either preferred to play baseball or were led away by their class feeling to follow this sport.

Further than this, the financial results obtained from baseball teams, in the past three years at least, have not been satisfactory, and without looking over the reports, it seems to me that there has not been one on which there has been a balance on the right side, and subscriptions have been asked from the classes, or the excess of expenditures over receipts has been paid from the class treasury.

There are minor reasons which can be adduced, but those given will appeal to every man, particularly when one takes into account the fact that while a man can train for the track team, and spend not exceeding half an hour a day for his training, to develop a good baseball team would require not less than an

hour to an hour and a half practice every day, with every one of the men in their proper positions.

For these reasons the Advisory Council have not looked favorably on baseball playing in the spring, and as I stated before, they cannot, without being inconsistent, favor giving numerals to teams.

FRANK H. BRIGGS, '81.

Alumni Dinner.

The ninth annual dinner of the Technology Club of New York was held at the University Club in that city on Friday evening, Feb. 5. The feature of the dinner was the "liquid sunshine" which was quaffed by the seventy-five alumni present. The toastmaster was Mr. Charles Neave, '90. The first speaker was President Pritchett, who spoke of the progress being made by the Institute, in research work especially, saying that the Germans recognized us as their most formidable competitors in electrical research. In the course of his speech Dr. Pritchett paid a glowing tribute to the Hon. Elihu Root, who has just resigned from the cabinet. After Dr. Pritchett's address the alumni gave a rousing M. I. T. cheer. Dr. William J. Morton then spoke on "Science and Medicine," and he was followed by Rev. J. Minot Savage, who made a brief address.

Mr. Lester D. Gardner, '98, showed some interesting radium phenomena. Skeletons, balloons, and other articles coated with radium paint were exhibited, and attention was called to the praetical use to which a highly luminous radium paint might be put. Professor G. B. Pegram of Columbia exhibited and explained a perpetual motion device which he has designed, and which depends in principal upon the seeming ability of radium to emit luminous energy indefinitely. A luminous baton was then used to lead a number of college songs.

The dinner was by far the most novel and interesting that the New York alumni have ever given, even surpassing the famous "telephone dinner" of four years ago.

NATIONAL.

The Panama treaty has been the chief topic in Congress during the last few weeks. The treaty was reported with three amendments, relating to sanitation, limitation of cities and control of harbors, but it has been practically decided to drop them, as being unnecessary. Many speeches have been made, attacking and defending the President's policy. The Democrats are not united in opposing the treaty, so it seems probable that the treaty will be ratified as soon as it comes to a vote.

Another topic which has been before the Senate is the question of the "Constructive Recess," on which hang the appointments of Gen. Leonard Wood, Collector Crum at Charleston, and over 160 others.

A recent explosion in a coal mine near Cheswick, Pa., resulted in the death of 184 miners. The mine had been a gaseous one from the start, and the explosion was probably due to a defective shot.

At the United States consulate in Cienfuegos, some rioters vented their ill-feelings by throwing mud on the United States escutcheon hanging over the entrance. Consul Baehr protested to the local authorities, and notified Minister Squiers, and the latter made a protest to President Palma. The prosecution of those who were responsible for the defacing of the escutcheon has been ordered.

Gov. William H. Taft took the oath of office as Secretary of War on Feb. 1, and at once entered upon his new duties. The retiring secretary, Elihu Root, desires to resume the practice of law in New York.

The resident commissioner from Porto Rico has been given additional authority by the House, making him equal in all essential respects to the delegate of a territory. Commissioner Degetan, taking advantage of his enlarged powers, introduced a bill expressly declaring the citizens of Porto Rico citizens of the United States.

A resolution was adopted in the House declaring that John A. Keliher was elected as a member from the Ninth Congressional District of Massachusetts, and was entitled to a seat, and that Joseph A. Conry was not elected a member from that district.

Governor Peabody of Colorado has revoked his order of Dec. 5 last, proclaiming martial law in Teller County, and all the prisoners have been delivered to the civil authorities.

A great fire broke out in Baltimore Feb. 7, in the heart of the city, and the wholesale dry goods, produce, lumber, shipping, railroad, and financial districts were destroyed. No accurate estimate of the financial loss can be made, but it is probably well over $100,000,000.

FOREIGN.

War is now practically declared between Japan and Russia. Several weeks ago Japan sent to Russia a note setting forth her demands, and since that time the Russian reply has been anxiously awaited. Since Russia was evidently using the delay to push forward her military preparations, and since her reply to Japan had been delayed beyond all decency, Japan has recalled her envoy and hostilities may come at any time.

On Jan. 13 the United States and China, through their ministers, exchanged signed treaties providing for the opening of the Manchurian ports of Moukden and Antung to the world's commerce.

In San Domingo it is said that the Morales government is in control, the Jiminez revolt having been stamped out. If more capacity for restoring peace is not shown the United States may be forced to interfere.

Mutinous Turkish troops have been terrorizing Beirut, Syria, demanding the payment of about $80,000 in arrears, and threatening otherwise to sack the town.

Col. Arthur Lynch, who commanded the Irish brigade against the British forces during the war in South Africa, and who was afterwards convicted of treason and sentenced to imprisonment for life, has been liberated "on license." Since he has not received the royal pardon he is disqualified from sitting in Parliament and from holding any public office, but enjoys personal liberty and is free to leave the country.

GENERAL.

The coroner's jury on the Iroquois Theatre fire has returned a verdict by which Mayor Carter H. Harrison of Chicago is bound over to the grand jury for incompetency. Other prominent men held are the chief of the fire department, the manager of the theatre, and the building commissioner of Chicago, besides others of less prominence.

Whitaker Wright, the promoter of the London & Globe and other financial companies, who has been on trial for fraud, died suddenly after he had been found guilty by a jury and sentenced to seven years penal servitude. An examination showed that he committed suicide by taking potassium cyanide. The British public lost $40,000,000 through his schemes.

Dr. William E. Huntington, Dean of Boston University since 1882, has been elected president of the Institution by the trustees. The choice was made on the second ballot, which was unanimous.

The department of economics and sociology of the Carnegie Institute is to prepare an economic history of the United States. The work will embrace eleven subjects, which are assigned to leading authorities. Money and Banking

will be considered by Professor Dewey of the Institute.

Colonel Wright has authorized the statement that he will resign his position as commissioner of labor by the end of the year. He will then live in Worcester, in order to devote his time to Clark University.

Dr. A. A. Ames, former mayor of Minneapolis, escapes serving his six-year sentence for bribery through the decision of the State Supreme Court that there is a failure of proof to sustain the offence charged. This decision sets him free by a mere technicality.

In the automobile races at Ormond, Florida, some marvelous records have been made. W. K. Vanderbilt, Jr., with a ninety-horse power Mercedes broke the world's record by covering a mile in thirty-nine seconds. Vanderbilt was defeated by Barney Oldfield with a 120-horse-power Winton in the auto one-mile championship, but he won the fifty-mile automobile championship of America, covering the distance in forty minutes, forty-nine and four-fifths seconds and making records for ten, twenty, thirty, forty and fifty miles. Vanderbilt also won the five-mile free-for-all in three minutes, thirty-one and three-fifths seconds.

Course IX. Graduate Honored.

The Boston Medical and Surgical Journal of Dec. 31, 1903, referring in an editorial on *The Cancer Question*, to the report of the New York State Board of Health, calls attention to the appointment of Dr. Gary N. Calkins (M. I. T., Course IX '90) as consulting biologist, as marking a new departure in investigations on the subject, the biological side of which has not previously been developed. Professor Calkins, "whose authority on the subject of protozoa is wide reaching" is also connected with Columbia University. "Certainly the laboratory is to be congratulated upon having obtained the services of Professor Calkins, who stands pre-eminent in his knowledge of these lower forms of life."

Athletic Contest.

The 35-yard dash, the third event of the All Round Athletic Contest, took place at the Gymnasium on Thursday, Jan. 14. There were about thirty entries, so that a large number of trial heats were necessary. All the heats were closely contested and in many cases it was very difficult to decide on the places. After the first semi-finals a second set of semi-finals was run and the six men picked who won places. These six then ran a final heat to determine their order. The result was: first, Noyes, '07; second, Richards, '07; third, Snow, '05; fourth, Fisher, '05, and Howe, '06 (dead heat); sixth, Barrows, '07. Time $4\frac{2}{5}$ seconds. Points were awarded as follows: first, 15; second, 12; third, 9; fourth, 6; fifth, 3; sixth, 1. Fisher and Howe, who tied for fourth place divided the points for fourth and fifth.

The eight highest scores are now: G. A. Curtis, '04, $26\frac{3}{4}$; J. C. Baker, '04, $22\frac{1}{2}$; F. W. Barrows, '07, $20\frac{3}{4}$; E. P. Noyes, '07, 18; V. H. Paquet, '05, $17\frac{1}{4}$; R. D. Emerson, '05, $13\frac{1}{2}$; R. P. Farrington, '05, and K. W. Richards, '07, 12.

The Tech Show.

The management of the Tech Show has been working on the preliminaries for the past month, preparatory to the actual work of rehearsing, which will start immediately. The composition of the Show is nearly complete, and on Monday, Feb. 15, all men who wish to try for principal or chorus parts, and also all men who can play the mandolin or guitar, are to meet at the Tech Union at 4 P.M.

Men wishing to try for the ballet will also meet at the Union at 4 P.M. Monday. Aside from the parts in the Show, there will be a competition for two assistant business managers and two assistant stage managers, and men wishing to try for these positions should inform the manager. The Show also needs a few original lyrics or songs and these should be submitted at once.

The officials of the Show are: General Manager, P. M. Smith; Business Manager, E. Harrah; Stage Manager, P. E. Hinckley. The head coach is Mrs. Jeannette Walker. Mr. Coleman will coach the ballet, and Mr. Geo. L. Tracy, who coached last year's Cadet Show, will take charge of the chorus.

Men cannot be urged too strongly to come out for rehearsals, not only for the support of the Show, but for what they will get out of it personally, for as a graduate has said, to have been in the Show is part of one's education at Tech. About sixty men will be needed to fill the cast, and at least ten of these will be principals. There will be two rehearsals a week for both the ballet and the chorus. While the management never finds it necessary to pull men into the Show yet they wish to emphasize the fact that it is necessary for as many men as possible to come out. In regard to the fear of making fruitless efforts, it may be said that a man who has any ability whatever and is regular at rehearsals is almost certain of a position.

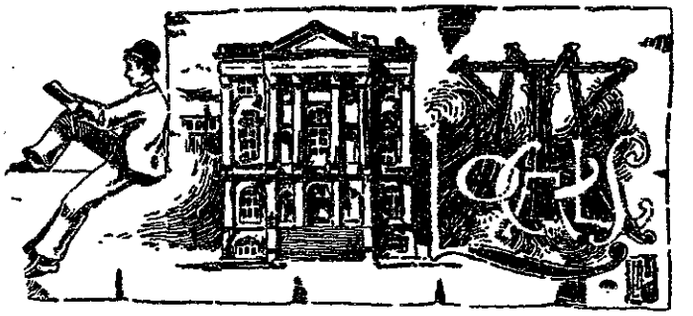
Faculty Notice.

Students wishing to continue Spanish I. or II., will please meet Mr. Erhardt on Friday, Feb. 12, at four o'clock, in Room 26, Lowell Building.

American Institute of Electrical Engineers.

The third regular meeting of the Boston Branch of the American Institute of Electrical Engineers was held in the Lowell Building Wednesday evening, Feb. 3. The papers of C. R. Steinmetz and W. I. Slichter on alternating current railway motors, presented at the last meeting of the main body, were read and discussed. A few remarks by Dr. A. E. Kennelly and Dr. L. Duncan added a great deal to the interest in the subject.

Meetings of the branch are held the first Wednesday of every month. Members of the Electrical Engineering Society have a standing invitation to attend the meetings.



Mr. W. H. Trask, 1906, has been elected to the editorial staff, and Mr. F. A. Benham, 1906, to the business staff of THE TECH.

The Co-operative Society is selling textbooks at the Window in Rogers corridor, opposite the "Cage."

Captain Schonthal of the Basket Ball Team has resigned, owing to withdrawal from the Institute, and Blake has been elected in his place.

The following men have been elected to the Prom. Committee: Norman Lombard, J. M. Lambie, G. D. Marcy, Waldso Turner, W. D. B. Motter.

Because of the abandonment of the Hockey Team for this year, it has been found necessary to cancel the games arranged with Yale, Brown and Andover. It was at first hoped that these games might be played by a scrub team, but this has been found impracticable.

An Architectural Society Smoker was held Friday evening, Jan. 15, at the Technology Club. Mr. J. B. Buzzell, general manager of the Gilbreth Contracting Company, gave an instructive talk on "Contracts for the Purchase of Materials." After the talk, refreshments were served. The time and place of the next Smoker have not yet been decided.

An excursion to the Lincoln wharf power station of the Boston Elevated Railway will be held Thursday and Friday Feb. 11 and 12. The station was tested last year by Institute men and found to be very efficient. This excursion therefore offers an opportunity to see a large and well equipped station. The starting place will probably be from Walker at 1 P.M. Notices will be posted in Lowell and Walker buildings.

Calendar.

THURSDAY, FEB. 11.

1.00 P.M. ELECTRICAL ENGINEERING SOCIETY business meeting in 28 Lowell.

8.00 P.M. SOCIETY OF ARTS MEETING. Mr. George F. Kunz will speak on "The Action of Radium and Ultra Violet Light on Minerals and Precious Stones." Students are invited.

SATURDAY, FEB. 13.

7.15 P.M. B. A. A. MEET MECHANICS HALL. M. I. T. Relay Team *vs.* Georgetown. Tickets in Tech section, $1.50, from Major Briggs, 22 High St.

8.00 P.M. TECH *vs.* HARVARD. FENCING at the Union. Tickets twenty-five cents.

MONDAY, FEB. 15.

4.00 P.M. MEETING OF THE TECH SHOW CANDIDATES for principals, chorus and ballet.

8.00 P.M. REUNION, CLASS OF '98. Tech Union.

TUESDAY, FEB. 16.

4.15 P.M. ALL-AROUND ATHLETIC CONTEST. Pole Vault. One point for each 2 inches over eight feet.

WEDNESDAY, FEB. 17.

8.00 P.M. AMHERST *vs.* TECH BASKETBALL. Exeter Street Gymnasium.

THURSDAY, FEB. 18.

4.15 P.M. ALL-AROUND ATHLETIC CONTEST. 40-yard Low Hurdles. Points to count same as 35-yard dash.

8.00 P.M. ELECTRICAL ENGINEERING SOCIETY. Mr. Baker will address the Society on an "Automatic Telephone Exchange." Tech Union.

FRIDAY, FEB. 19.

8.00 P.M. MECHANICAL ENGINEERING SOCIETY. Mr. F. S. Green will speak on "Rope Transmission." Tech Union.

Summer Mining School.

As an experiment in mining education, Tech will this summer combine with the School of Mines of Columbia University and the Lawrence and Sheffield Scientific schools of Harvard and Yale, and possibly that of the Colorado School of Mines. The plan is to lease a mine in one of the mining districts of Colorado, and have the Senior mining students of these schools hold a joint session for the study of practical mining. The students will go into camp, and as far as possible engage in actual mining operations, such as sinking shafts, driving levels and timbering. This summer school will be in the hands of an executive committee consisting of John Hays Hammond, representing Yale University, Prof. Robert H. Richards of Tech, Prof. Henry L. Smyth of Harvard University, and Prof. Henry S. Munroe of Columbia University, with Henry S. Munroe as director for the first year. A competent corps of instructors will be chosen from the several institutions.

Tech vs. Georgetown.

The annual meet, held under the auspices of the Boston Athletic Association will take place next Saturday evening at 7.15 P.M., in Mechanics Hall. Special interest attaches itself to the meet for Tech men, because the feature of the evening's games will be a race between the relay teams of M. I. T. and Georgetown University. The Tech team will be composed of H. L. Williams, '06, R. Howe, '06, G. S. Gould, '06, and E. L. Wilson, '06.

Outside of the relay race, several Tech men will compete in the various events, and all students who possibly can should be present, to cheer them on to victory, as well as to see one of the best meets of the athletic world.

Technique Notice.

Will any man who is a member of a fraternity not represented at the Institute please leave his name and the name of his fraternity at the "Cage" before Feb. 15 for J. M. Lambie, Society Editor of *Technique 1905?* Any new fraternities or new chapters of a fraternity that have been established since *Technique 1904* came out, should leave the name of the fraternity and a list of the members at the "Cage" before Feb. 15, 1904.

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Took a ride in a big Ferris wheil;
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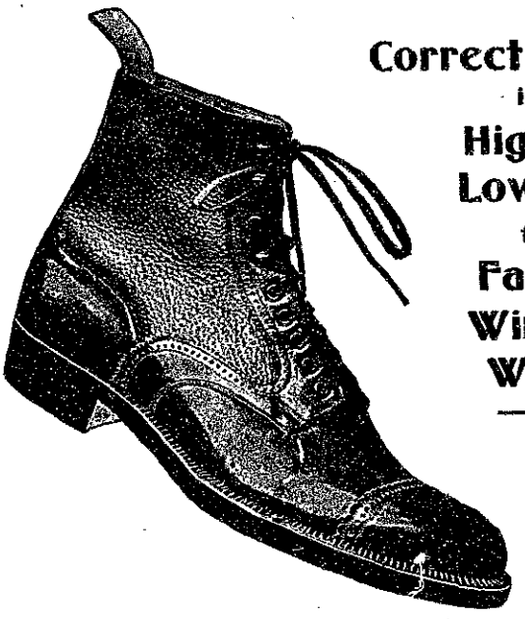

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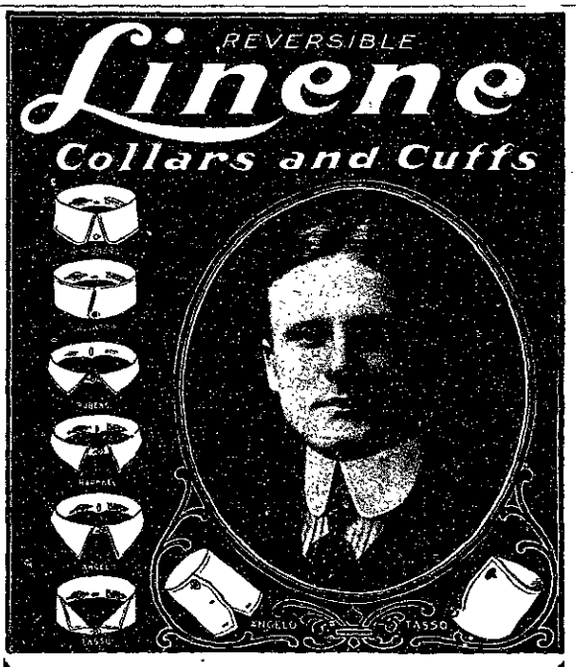

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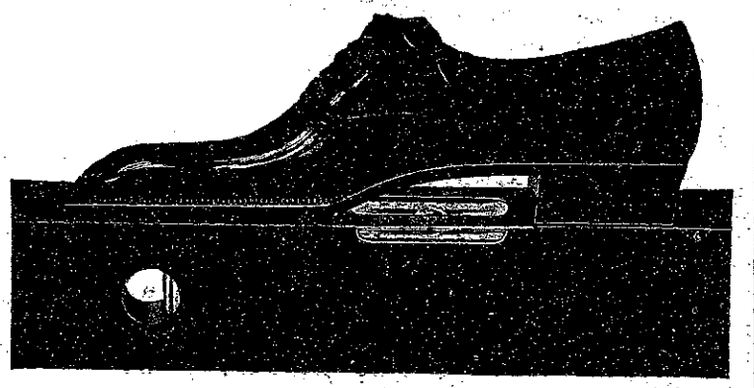

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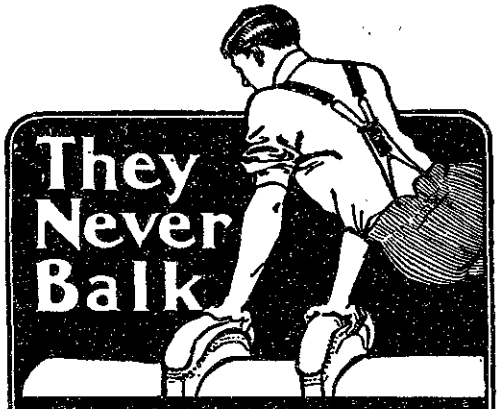

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